Index

Volume 30 (1983)

The pages of the eight issues of the *Notices* for 1983 are:

January: 1–136	August: 473–568
February: 137–248	October: 569-712
April: 249–384	November: 713-840
June: 385–472	December: 841-936

ACKNOWLEDGEMENT OF CONTRIBUTIONS, 453
ADVERTISING POLICY, Recruitment, 98, 565
AMS MEMBERSHIP APPLICATION, 131
AMS REPORTS & COMMUNICATIONS, 87, 228, 365, 458, 555, 689, 807
- Business Meetings of the Society
  - January, *Denver*, 31; August, *Albany*, 690
- Bylaws of the AMS, 809
- Candidates Nominated for the 1984 Elections, 768
- Committee Appointments, 87, 228, 365, 460, 555, 689, 807
- Corporate Members and Institutional Associates, 456
- Council Meetings of the Society
  - January, *Denver*, 231; April, *New York City*, 463; August, *Albany*, 689
- Council Resolutions, 231
- Funds, 814
- Officers and Committee Members of the Society, 559
- Officers and Lecturers of the Society, 813, 815, 816
- Officers of the Society, 1982 and 1983, 366
- Reports of Past Meetings
  - Summer Meeting in *Toronto*, 88
  - October Meeting in *College Park*, 460
  - November Meeting in *Baton Rouge*, 229
  - November Meeting in *East Lansing*, 229
  - November Meeting in *Monterey*, 230
  - Annual Meeting in *Denver*, 231, 461; 549
  - March Meeting in *Norman*, 555
  - April Meeting in *New York City*, 556
  - April Meeting in *Salt Lake City*, 557
  - Summer Meeting in *Albany*, 689, 807
- Report from CAFTES, 232
- Report of the Treasurer, 458

AMS SHORT COURSE SERIES:
- Computer Communications, *Denver*, 20
- Population Biology, *Albany*, 336, 408, 496
  - Synopses of Talks, 350
- Mathematics of Information Processing, *Louisville*, 645, 773
  - Synopses of Talks, 661
- 1985: Call for Topics, 201, 353, 534

AMS SURVEYS AND MONOGRAPH SERIES, 486
ANNUAL AMS SURVEY
- Twenty-Sixth, *Second Report*, 160
  - Doctoral Degrees Conferred in 1981-1982 (Supplementary Lists), 359, 747
  - Employment, Faculty Mobility, Nonacademic Employment, Fall 1982, 160
  - Changes in Enrollments and Class Size, 164
- Twenty-Seventh, *First Report*, 720
  - Doctoral Degrees Conferred in 1982-1983, 734
  - Faculty Salaries, Tenure, Women, 720
  - Survey of New Doctorates, 726
  - Salary Survey for New Doctorates, 730
  - Newest Ratings of Graduate Programs in Mathematics, Donald C. Rung, 257
  - CEEP Data Reports: New Classification of Graduate Departments, Donald C. Rung, 392

ARTICLES, By Author
- Browder, W., 268
- Bailey, David H., 756
- Chern, Shiing-Shen, 578
- Glimm, James G., 4
- Halmos, P. R., 387, 574
- Hermann, Robert, 482
- Hoffman, K., 300
- Kleene, S. C., 576
- Knapp, Edward A., 140
- Landau, Susan, 7
- Lax, P. D., 139, 168
- Moore, Calvin C., 591
- Mostow, G. D., 571
- Pell, W. H., 290
- Ralston, A., 166
- Rumely, Robert, 475
- Rung, D. C., 160, 257, 392
- Schwartz, Jacob T., 478
- Sharir, Micha, 478
- Smorynski, C., 251
- Weinberger, Hans F., 594
- Wells, R. O., Jr., 170
- Young, G. S., 169

ARTICLES, General
- A Nation at Risk: The Imperative for Educational Reform, 580
- AMS Trustees Honor Long-term Employees, 157
- CEEP Data Reports: New Classification of Graduate Departments, Donald C. Rung, 392
- Educating Americans for the 21st Century, 748
- Federal Support–Where Do We Stand? Kenneth Hoffman, 300
- Freshman Mathematics (CEEP Panel Discussion) , 166
- Mathematical and Computer Sciences in the FY 1984 Federal Budget, William H. Pell, 290
- Mathematical Engineering: Problems and Opportunities, Robert Hermann, 482
- Mathematical Problems and Training in Robotics, Jacob T. Schwartz and Micha Sharir, 478
- Mathematics Program Review: Problems and Opportunities, James G. Glimm, 4
- National AMS Colloquium of Chairmen of Departments in the Mathematical Sciences, 386
- Newest Ratings of Graduate Programs in Mathematics, D. C. Rung, 257; Addendum, 397
- Nonacademic Employers of Mathematicians, David H. Bailey, 756
- N. S. F. Budget Request for Fiscal 1984, 280
- Report of the Research Briefing Panel on Mathematics, 271
- Reports—Mathematics Research Institutes, 591
  - Berkeley Report, 591; Minneapolis Report, 594; Santa Barbara Physics Institute Report, 596
- Research Briefing Panel on Mathematics: History and Background, W. Browder, 268
- Science Policy and Mathematics–A Current Perspective, Edward A. Knapp, 140
- Survey of American Mathematical Research Journals, 715
- 1983 Warsaw Congress of IMU, G. D. Mostow, 571

ARTICLES, Prizes Awarded by the Society
- Paul R. Garabedian Awarded 1983 Birkhoff Prize, 138; Garabedian's Work, Peter D. Lax, 139
- Steele Prizes, 574

ARTICLES, Special
- Primes, Codes and the National Security Agency, Susan Landau, 7
- "Big" News From Archimedes to Friedman, C. Smorynski, 251
- BDF or The Infinite Principal Axis Theorem, P. R. Halmos, 387
- Recent Advances in Primality Testing, Robert Rumely, 475

ASSISTANTSHIPS AND FELLOWSHIPS
In the Mathematical Sciences, In 1984-1985, 843
In 1983-1984 (Supplementary List), 217
Errata, 226, 449
Critical, Historical, or Expository Theses, 913
Supplementary List, 227
Deadlines for Grants and Assistantships, 687, 805
Stipends for Study and Travel, 915
BACKLOG OF MATHEMATICS RESEARCH JOURNALS, 215, 552
BUSINESS MEETINGS OF THE SOCIETY
January, *Denver*, 231; August, *Albany*, 690
BYLAWS OF THE AMS, 809
CLASSIFIED ADVERTISEMENTS, 90, 233, 367, 464, 563, 692, 821; Situations Wanted, 239
COMMITTEE ON EMPLOYMENT AND EDUCATIONAL POLICY, 166, 392, 842
CORPORATE MEMBERS AND INSTITUTIONAL ASSOCIATES, 456
COUNCIL MEETINGS
January, *Denver*, 231; April, *New York City*, 463; August, *Albany*, 689
CRITICAL, HISTORICAL, OR EXPOSITORY THESES, 913
Supplementary List, 227
DEATHS OF MEMBERS OF THE SOCIETY, 86, 214, 449, 549, 683, 804 (*See* also Obituaries)

K. C. Beck, 804
E. F. Beckenbach, 86
E. E. Bernstorf, 683
L. Bieberbach, 86
E. A. Bishop, 549
W. W. Boone, 804
H. W. Bode, 214
J. E. Brocavich, 683
L. E. Bush, 683
B. H. Camp, 549
E. E. Cosculluela, 86
R. H. C. Dieckmann, 214
G. Efroymson, 683, 804
I. J. Epstein, 549
H. S. Everett, 683
E. H. Feller, 683
K. O. Friedrichs, 214
E. Frank, 86
N. Glyptis, 683
H. J. Hamilton, 214
A. Hausner, 214
E. Hopf, 683
M. Hussain, 214
M. H. Ingraham, 214
C. G. Jaeger, 549
H. Jehle, 214
D. E. Kearney, 214
D. O. Koehler, 684
J. Kofner, 449
H. Kumano-Go, 86
J. P. LaSalle, 864
H. R. Leifer, 549
V. Linis, 684
Y. L. Luke, 549
J. W. Marshall, 549
A. J. McMahon, 549
F. H. Murray, 684
D. J. Peterson, 684
R. J. Pipino, 214
F. Ryde, 549
R. H. Sady, 214
G. B. Salicrup, 549
R. A. Smith, 549
S. S. Smith, 684
H. S. Stanley, 449
H. E. Stelson, 684
E. G. Straus, 684
E. W. Titt, 86
J. S. Townsend, 214
V. I. Troie, 449
J. S. Vigder, 684
J. P. Williams, 549
Y. K. Wong, 684
J. B. Wunch, 684
H. M. Yarbrough, 549

DOCTORAL DEGREES CONFERRED
In 1981-1982 (Supplementary Lists), 359, 747
In 1982-1983, 734
ELECTION INFORMATION (AMS), 178, 308, 494
Candidates Nominated for 1984 Elections, 768
Election Results of 1982, 231
The Nominating Committee for 1984, 178, 308, 768
President's Candidates for 1984, 404
Nomination Petitions for 1983 Election, 179, 309
Nominations for Vice-President or Member-at-Large, 178, 308; 404
Replacement Ballots, 494
Rules and Procedures, 178, 308
Suggestions for 1984 Nominations, 494
EMPLOYMENT INFORMATION IN THE MATHEMATICAL SCIENCES
Subscription Forms, 567, 568, 697, 698, 837, 838
EMPLOYMENT REGISTER
(*See* Mathematical Sciences Employment Register)
FUNDS, 814
INTERNATIONAL CONGRESS OF MATHEMATICIANS (1983), 150
1983 Warsaw Congress of IMU, G. D. Mostow, 571
Mathematicians Invited to Address the Warsaw Congress 572, 714
Union Mathematique Internationale, 3
Travel Grants, 150
INVITED SPEAKERS, Lists of, 75, 203, 355, 432, 536, 666, 796
Michael Aizenman, *Denver*, 21
Selman Akbulut, *Albany*, 495
William Arveson, *Salt Lake City*, 323
Eiichi Bannai, *Evanston*, 630
W. Dale Brownawell, *New York City*, 310
Burgess J. Davis, *Evanston*, 630
James Eells, *Albany*, 495
Bradley Efron, *Denver*, 21
Eugene B. Fabes, *Evanston*, 630
Charles L. Fefferman (Colloquium Lecturer), *Denver*, 19
Michael H. Freedman, *Denver*, 21
David Gieseker, *Denver*, 21
Peter B. Gilkey, *San Luis Obispo*, 622
Andrew M. Gleason, (Retiring Presidential Address), *Denver*, 19
Benedict H. Gross, *Denver*, 21
Robert C. Gunning, *Albany*, 495
Richard S. Hamilton, *New York City*, 310
John L. Harer, *Fairfield*, 614
Ira W. Herbst, *Albany*, 495
Roger E. Howe, *Denver*, 21
John Hubbard, *Fairfield*, 614
Hervé Jacquet, *Albany*, 495
Samuel Karlin (Gibbs Lecturer), *Denver*, 19
J. H. B. Kemperman, *Albany*, 495
Daniel J. Kleitman, *Fairfield*, 614
Bertram Kostant (Colloquium Lecturer), *Albany*, 495
T. Y. Lam, *San Luis Obispo*, 622
Wen-Ch'ing Winnie Li, *Albany*, 495
Oliver McBryan, *New York City*, 310
Boris Mityagin, *Norman*, 180
Reinhard E. Schultz, *Evanston*, 630
Paul E. Schupp, *Norman*, 180
Neil J. A. Sloane, *Denver*, 21
Lance W. Small, *Salt Lake City*, 323
Michael Starbird, *Norman*, 180
Jeffrey D. Vaaler, *Norman*, 180
Wolfgang Ziller, *New York City*, 310
JOINT SUMMER RESEARCH CONFERENCE SERIES
(*See* Summer Research Conference Series)
LETTERS TO THE EDITOR, 12, 172, 307, 400, 492, 600, 761

M. Anderson, 601
Anonymous, 172
F. G. Asenjo, 602
J. Bochnak, 401
J. P. Bourguignon, 173
A. B. Clarke, 605
C. H. Clemens, 602
P. Dedecker, 307
I. Ekeland, 492
S. Foguel, 173
P. R. Halmos, 600
C. W. Henson, 307
P. Hilton, 172
R. Howe, 761
H. Jacobson, 173
S. Kantorovitz, 602
J. L. Kelley, 402
L. Lorch, 402
V. McAuley, 12
D. Mescheloff, 604
L. Nachbin, 761
R. A. Raimi, 762
H. Rossi, 602
L. Rudolph, 12
D. C. Rung, 761
J. T. Schwartz, 601
C. Sadosky, 761
M. Sherman, 603
O. Shisha, 603
E. M. Stein, 400
R. H. Szczarba, 761
R. Wake, 493

MATHEMATICAL SCIENCES EMPLOYMENT REGISTER, 38, 657, 787
Preregistration Forms, 381, 709, 710, 837, 838
Summer List of Applicants, 380, 381; 468,468
MEETINGS OF THE AMS
Calendars of AMS Meetings, Inside Front Covers
Call for Topics, 200, 352, 429, 533
Invited Speakers at AMS Meetings, 75, 203, 355, 432, 536, 666, 796
Meeting Announcements and Programs
January: *Denver*, 19
March: *Norman*, 68, 180
April: *New York City*, 70, 193, 310
Salt Lake City, 196, 323
August: *Albany*, 333, 405, 495
October: *Fairfield*, 425, 526, 614
November: *San Luis Obispo*, 427, 529, 622
Evanston, 428, 531, 630
January, 1984: *Louisville*, 641, 769
April, 1984: *Notre Dame*, 791
Richmond, 793
Organizers and Topics of Special Sessions, 75, 203, 355, 432, 536, 666, 796
Short Course Announcements
(*See* AMS Short Course Series)
MISCELLANEOUS, 86, 214, 359, 449, 549, 683, 804
NEW AMS PUBLICATIONS, 81, 211, 357, 445, 545, 674, 801
NEWS AND ANNOUNCEMENTS, 13, 145, 304, 394, 485, 606, 763
News & Reports from the NSF, 15, 174, 306, 398, 488, 610, 765
OBITUARIES
P. S. Aleksandrov, 396
Kurt Otto Friedrichs, 146
Mark H. Ingraham, 146
I. M. Vinogradov, 397
OFFICERS AND COMMITTEE MEMBERS OF THE SOCIETY, 559
OFFICERS AND LECTURERS OF THE SOCIETY, 813, 815, 816
OFFICERS OF THE SOCIETY 1982 AND 1983, 366
ORGANIZERS AND TOPICS OF SPECIAL SESSIONS
Lists of, 75, 203, 355, 432, 536, 666, 796
PERSONAL ITEMS, 86, 214, 449, 549, 683, 804
PREREGISTRATION and RESERVATION FORMS, 136, 247, 383, 384; 471, 472; 711, 712; 839, 840
PRIZES AND AWARDS
ACM Distinguished Service Award, 147
American Book Awards, 487
AMS Postdoctoral Research Fellowship, 304, 485
Berwick Prize, 147
Congressional Science Fellow (AMS-MAA-SIAM), 394
Dannie Heineman Prize, 304
DeMorgan Medal, 606
Fulbright Awards for 1982-1983, 395
for 1984-1985, 486
Guggenheim Fellowships, 394
Heineman Prize in Mathematical Physics, 304
Junior Berwick Prize, 606
Junior Whitehead Prize, 606
MacArthur Foundation Fellowships, 145
MacArthur Prize Fellows, 606
NAS Public Welfare Medal, 304
National Medal of Science, 485
NRC Minority Fellowships, 607
NSF Graduate Fellowships, 398
NSF Mathematical Sciences Postdoctoral Research Fellowships, 305, 487
NSF Minority Graduate Fellowships, 398
NSF-NATO Postdoctoral Fellowships in Science, 398
Order of Lenin, 13
Rollo Davidson Prize, 396
Sloan Fellowships, 394
Steele Prizes, 574
Whitehead Prize, 147
Wolf Prize for 1982, 145
PRIZE RECIPIENTS
J. M. Ball, 147
S.-S. Chern, 578
H. Daly, 148
P. J. Davis, 487
B. Efron, 145
P. R. Garabedian, 138
P. R. Halmos, 574
D. H. Hamilton, 606
R. Hersh, 487
L. V. Kantorovitch, 13
S. C. Kleene, 574
M. G. Krein, 145
M. Kruskal, 304
R. D. Lyons, 304
A. Paris, 487
J. B. Paris, 606
E. Perkins, 396
C. S. Peskin, 145
A. Ralston, 147
A. A. Ranichi, 606
M. Rees, 304
J. B. Robinson, 145
K. F. Roth, 606
R. Schoen, 606
M. Stone, 485
M. J. Taylor, 147
J. G. Thompson, 147
K. Uhlenbeck, 606
H. Whitney, 145
E. C. Zeeman, 147
QUERIES, 11, 159, 302, 403, 491, 598, 759
Problem Lists, 302, 598
RECIPROCITY AGREEMENTS (AMS), 439
Supplements, 177, 543, 684
REPORTS AND COMMUNICATIONS (AMS), 87, 228, 365, 458, 555, 689, 807
SEMINARS AND INSTITUTES
AMS-SIAM Summer Seminar in Applied Mathematics
1983: Large-scale Computations in Fluid Mechanics, 72, 199
1984: Nonlinear Systems of PDE in Applied Mathematics, 794
1985: Call for Topics, 200, 352, 429, 533
AMS Summer Research Institute:
1983: Nonlinear Functional Analysis and Applications, 72, 199, 332
1984: Geometric Measure Theory and the Caluclus of Variations
1985: Call for Topics, 200, 352, 429, 533
SHORT COURSES (*See* AMS Short Course Series)
SITUATIONS WANTED (*See* Classified Advertising)
SPECIAL MEETINGS, 77, 205, 360, 434, 539, 669, 798
SUMMER RESEARCH CONFERENCE SERIES
1983: University of Colorado, Boulder, 74
1984: Bowdoin College, Maine, 663, 795
1985: Call for Topics, 201, 353, 430, 534
SURVEY, ANNUAL AMS
Twenty-Sixth (1982), Second Report, 160
Twenty-Seventh(1983), First Report, 720
SYMPOSIA
AMS-SIAM Symposium in Applied Mathematics
1983: Inverse Problems, New York City, 312
1985: Call for Topics, 200, 352, 429, 533
Some Mathematical Questions in Biology
1983: Muscle Physiology, Detroit, 198, 331
1984: DNA Sequence Analysis, New York
1985: Call for Topics, 200, 352, 429, 533
TREASURER'S REPORT, 458
VISITING MATHEMATICIANS, 450
Supplementary Lists, 86, 550, 685, 804